



MDARC #1 LARGE CLUB
OF THE YEAR PACIFIC
DIVISION ARRL

the CARRIER.....

Published Monthly by the Mount Diablo Amateur Radio Club

MDARC FIELD DAY CALL W6CX; 2M REPEATER W6CX/R 220 REPEATER W6CX/R MEMORIAL CALL SIGN W6LGW

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November 1982

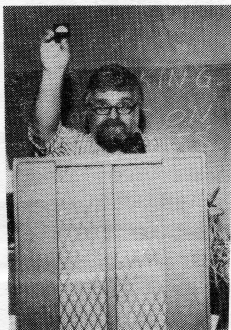
No. 10

Meeting Notice

MDARC

AUCTION AND

MEETING NOTICE



SPEAKER FOR THE EVENING:

PETER STRAUSS, K06R, our

auctioneer for the night.

This month's meeting will be held at
the Grace Presbyterian Church
2100 Tice Valley Blvd.,
Walnut Creek,
Nov. 19th at 8:00 P.M.

Bring your stuff that's gathering dust.
Bring the equipment you aren't using
and probably never will. Bring old junk
but good junk and turn it into gold. By
the way, bring money so you won't go
away emptyhanded.

CLUB CALENDAR

Nov. 16 Repeater Meeting
Nov. 19 MDARC General Meeting
AUCTION at the church
Nov. 22 Combined Board Meeting 8PM
Dec. 2 Budget Meeting 8PM
Dec. 12 Christmas Party
Jan. 21 General Meeting 8PM

Nets

"Ya all check in now ya Hear!"

Tech Forum/Swap NET
Thursdays 7:30 P.M. 147.66/06

Contra Costa Emergency NET
Thursdays 8:30 P.M., 146.43 MHz simp.

Parky NET
Every Night 3895 +/- QRM 10 P.M.

DARC NET
Thursdays 7PM on 146.54 MHz

COCORA NET
Mondays 7:35 PM on 147.135/735

EDITOR: Doug Smith, WA6GON P.O. Box 23222, Pleasant Hill, Calif. 94523 0222

PRESIDENT.....	KT6X	Dick Brown	4125 Sacramento St., Concord CA	94521 676-9048
VICE-PRESIDENT.....	WB6TEE	Don Peattie	2417 Lomond Ln. Walnut Creek CA	94598 935-2636
SECRETARY.....	N6EJU	Dee Koester	438 Diablo Court, Martinez, CA	94553 228-8727
TREASURER.....	KA6IZI	Nancy Hodgson	120 Summit Road Walnut Creek, CA	94598 933-8716
EMERGENCY COORDINATOR..	KA6IVF	Jim House	1919 Ygnacio Valley #49, Walnut Creek	939-8965
BOARD MEMBER.....	K6XC	Ron Luttringer	440 Diablo Court, Martinez, CA	94553 229-3987
BOARD MEMBER.....	N6EEQ	Don Bertrand	3515 Honeysuckle Way, Concord	94518

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Next Board Meeting at: C.C. County O.E.S. Building, 50 Glacier Dr., Martinez, Nov. 22, 8:00 PM

DEADLINE FOR THE NEXT ISSUE: Articles, Classified Ads, etc. by/ Nov. 29, 1982

MDARC Board Meeting

October 25, 1982

QTH OES 50 Glacier Drive Martinez, CA

The meeting was called to order at 8:07 PM by our President Dick Brown KT6X.

BOARD MEMBERS PRESENT were Don, WB6TEE; Dee, N6EJU; Don, N6EEQ; Nancy, KA6IZI and Jim, KA6IVF.

MEMBERS PRESENT were Val, KD6KV, Rick NA6Q.

CORRECTION TO MINUTES: Dick, KT6X did not attend NARC meeting Oct. 9.

M.M.S.P. that minutes be accepted as corrected.

UNFINISHED BUSINESS: No one was able to attend Jammig meeting however another meeting will take place on Oct. 27.

REPEATER MEETING: November 16, at Grace Presbyterian Church and suggestions for agenda items would be most welcome.

WAYNE GREEN MEETING: was a huge success and was attended by 200 plus. Nancy reported that we grossed \$407.75. Expenses were \$313.42 with a net of \$94.33.

CHRISTMAS PARTY: Discussion took place concerning the price of the Childrens dinner. A M.M.S.P. that the club subsidize the cost of children 12 and under at \$2.00 per child if the Elks Club will not reduce the price of same.

VICE PRESIDENT: Don, WB6TEE reminded us that our November meeting will be our semi-annual auction. December of course will be our Christmas Party.

TREASURER: Nancy KA6IZI, reports that we have \$1,280.28 in savings and \$891.61 in checking.

RED CROSS: Don, N6EEQ back from vacation is standing by for next emergency.

DOOR PRIZE CHAIRMAN: Val KD6VA reports that his beginning balance was \$124.85. Expenses \$121.51. Income from Wayne Green meeting ticket sale \$192.25 which leaves a very happy Val with a balance of \$195.59.

EDUCATION CHAIRMAN: Rick, NA6Q reported that the School District will not charge us for the rooms this term but we will have to pay for future classes. Discussion took place on how to finance future classes.

DECEMBER 2 was set aside for a Joint Board and Budget and Planning Session.

EMERGENCY COORDINATOR: Jim, KA6IVF reported that the S.E.T. that took place a couple of weeks ago went well but many more volunteers were needed. Talk is that we may have access to the tower at O.E.S. An antenna has finally been erected at Martinez Police Department.

Meeting was adjourned at 9:50.

Respectfully Submitted
Dee Koester N6EJU
Secretary

PACIFIC DIVISION ARRL CONVENTION IN SANTA CRUZ REPORT -

MDARC WINS CLUB OF THE YEAR AWARD TO A FULL HOUSE:

Oct. 8,9,10 saw the ARRL Pacific Division Convention put on its show amongst perfect warm Santa Cruz weather. Despite poor pre-convention time-table availability and necessity to schedule some excellent forums simultaneously, the only other major disappointment was the long wait for registration on Saturday morning.

The convention, sponsored by the Santa Cruz County Amateur Radio Club, offered an exhibit area for manufacturers and dealers, forums on CATV, Traffic, Emergency Communications, Satellite Communications, MARS, QRP Operation, DX, Skywarn, QCWA Breakfast, etc. Vic Clark W4KFC newly elected ARRL President and David Summers the new general manager (K1ZZ) were readily available.

The banquet hall was filled up at three PM, when the awards were given out for individuals of distinction who contributed to amateur radio during the past year. Then there was the announcement for the Club of the year award which could not come fast enough. I was ready for a whoop and also poised to be disappointed, for our President had hinted that we might well be the recipient, but nothing was for sure. Sure enough, the Mount Diablo Amateur Radio Club won a beautiful plaque again this year for the large Club category. The Sonoma Radio Amateur Society won the medium size club category.

We realize that this award represents a lot of dedication by many individuals during the past years. Our active volunteers for public service events, committee chairmen, officers, etc., needless to say should be heartened and rewarded for their good work.

Dwayne Eskridge accepted the award from Pacific Division Director, Bill Stevens, W6ZM, amidst great applause and much happiness. This was the high point of the convention and I hope we can continue in the same dedicated spirit in the future. I enjoyed the convention very much as I got to rag chew with so many old friends and new ones. I talked so much that I missed most of the forums.

73, your "CARRIER" reporter from the convention, Don NI6A

The President's Corner....

It is safe to say the inter-club meeting featuring Wayne Green was a big success. The 44 club members had an excellent dinner with very good food at the Sheraton Inn prior to the meeting. The meeting itself had over 15 clubs represented with 190 people. From the comments following the meeting, I know those who attended were glad they did. The club received two unexpected bonuses - an unplanned net profit of \$50 to the Treasury and several membership applications. Some of you who attended were surprised to receive a \$2.00 refund. It was felt early in the planning and was announced at a general meeting that if finances allowed, without dipping into the club's treasury, we should not charge our members to attend a regular club meeting. Also, from a control point of view it was important to know how many members and guests would actually show up for the meeting since space was limited. Therefore, it was decided that everyone be charged for the ticket and club members be refunded their admission, if they attended. Nancy was very prompt with the refund. I think that one inter-club meeting like this per year is a must and should become an MDARC tradition.

Speaking of tradition, the entire Board, and particularly myself, were pleased to see the club once again awarded the "Club of the Year" for the ARRL Pacific Division. You can take great pride in this award, because it took all members to make it possible. By the way, this award was given first to MDARC in 1980, then not awarded in 1981, so we are the only club to hold the award.

No charges will be levied by the Mt. Diablo Unified School District for our Fall classes, but we will not be so fortunate next Spring apparently. More on this later.

I hope all of you that have been advertising used equipment in the Carrier and on the tech net (including Parky) will drag it off to the auction.

Dick KT6X

MDARC General Meeting

October 22, 1982

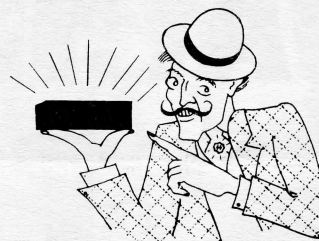
Wayne Green being our guest speaker for the evening, our business meeting was short and to the point.

Our President Dick KT6X called the meeting to order at 8:00 PM. The minutes were approved as printed in the CARRIER. Our November meeting will be our Auction at the Grace Presbyterean Church. Dick reminded us to send or bring our ballots to the November meeting when they will be counted. He announced also that our Radio Classes are free of charge.

NEW BUSINESS Dick was very proud to announce that our Club won the Club of the Year Award again.

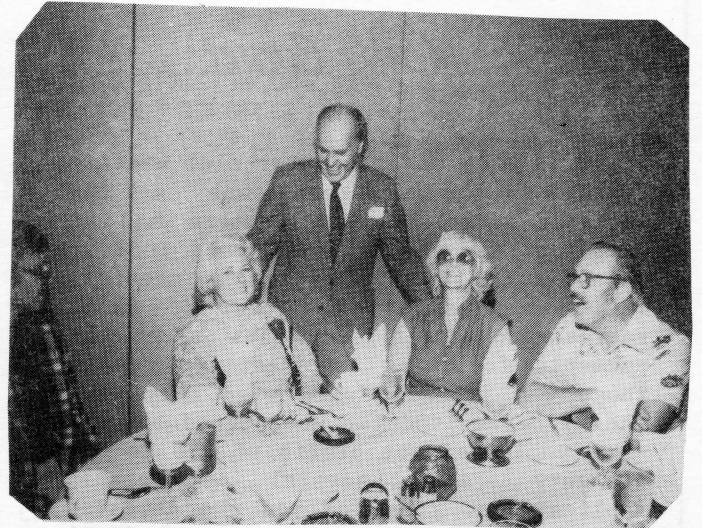
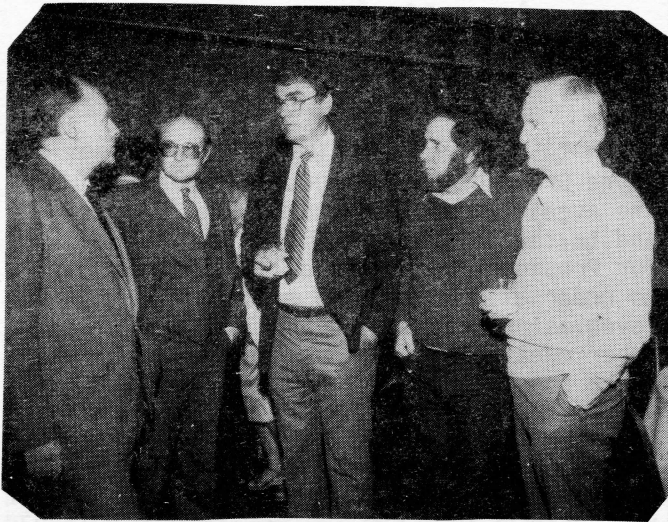
There was a short break for coffee and doughnuts before our Evening With Wayne Green began. Respectfully Submitted,
Dee Koester, N6EJU
Secretary

AUCTION

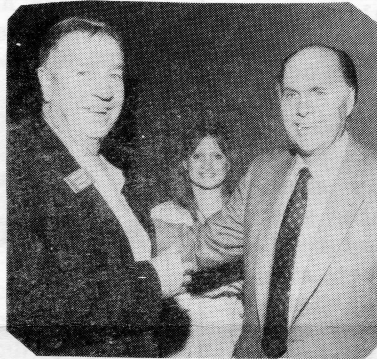


AUCTION RULES *Peter - K06R*

- (1) Club gets 10% of selling price, with a maximum of \$5.00. However, "buy backs" have a maximum fee of \$1.00 and the Club gets a straight 10% of a deceased persons equipment. If you want the Club to get a full 100%, say so on the tag on the item.
- (2) Everyone, whether a buyer or seller, gets a number on a card. Hold up your numbered card when you bid.
- (3) All sellers are entitled to have 3 items sold during "Prime Time" (example, if your number is 34, number your "Prime Time" items 34A, 34B, and 34C).
- (4) Sellers' tags (attached to each item) will have spaces for "Silent bids" prior to the time the item is auctioned. A "minimum bid" written on the item's tag by the seller will be regarded as an open bid and subject to "buy back" rules.
- (5) Bids should not be less than 50¢ increments.
- (6) Pay the Club; don't pay the seller. He gets his money later - minus the Club's commission.
- (7) All sold and unsold items must be removed at the end of the auction.

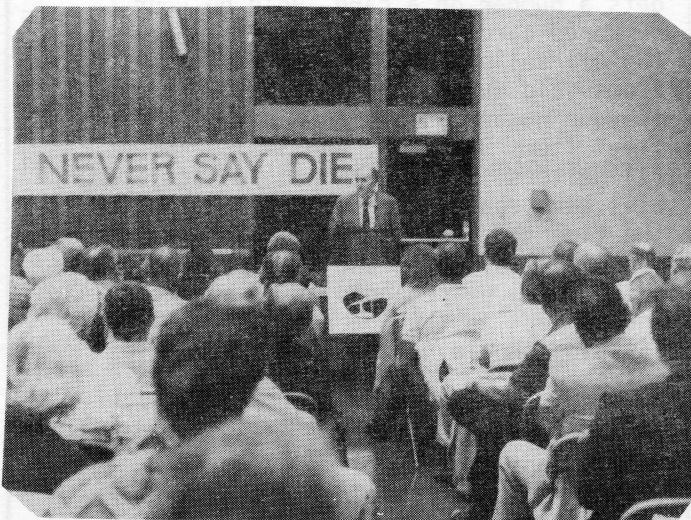


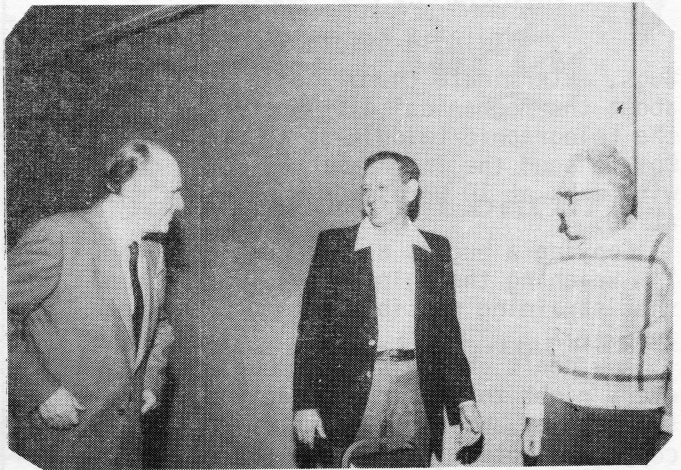
WAYNE



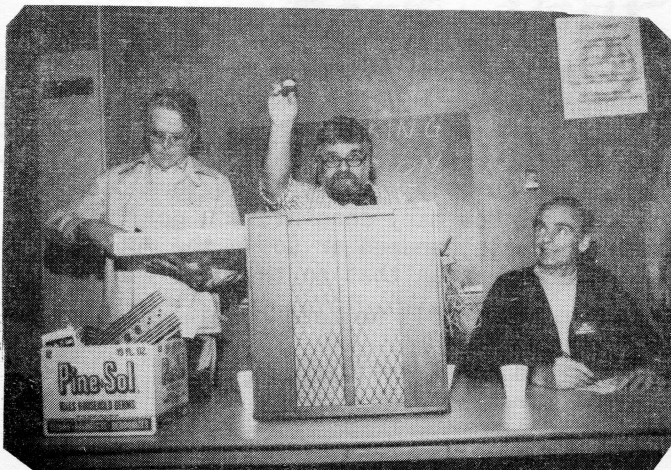
GREEN

W2NSD/1





Photos by George Roush



Short Currents

EDITORIAL by C.W. Morse

"Twiddle-sticks"

Bugs, exterminate them. That's how I feel about the mechanical dit monster. You know, the telegraphic twiddle-stick used by CW Ops to send the International Morse code with dahs at 10 words per minute and dits at 50.

Copying a bug is a real challenge, but I'm reaching the point--well, what can all that straining possibly get me but a headache.

Now don't get me wrong, "bug ops" have every right to preserve CW antiquity for the sake of antiquity. Some of you can even copy semi-intelligible code, but I need clearly defined dahs, dits, and spaces to make sense of the code through all the clutter and noise in the HF bands.

Keep your bugs. I think though you will be conversing only with others of the same species. Keyers are very popular now and (Sierra Club forgive me) "bugs" may all but be extinct when others like myself refuse to have anything to do with your blankity-blank dits.

It's a rare occurrence when you find a "bug-op" willing to weight down the "bar" to match another ops sending speed. In all my QSO's it's happened only once. Praise that seven that slowed down, halleluia. As for the others, may fire ants find your "bug" and scurry away with it in a flaming fury!

Now I know my opinion regarding "bugs" may draw some attention and possibly some disagreement. That fine, but you won't change my mind. What really cinched this editorial was the nightmare I had a few nights ago:

There I was lost at sea just barely afloat. (Typical writers nightmare) I felt I had minutes left before the sea might engulf my humble craft and the new ICOM. Quickly, I sent an SOS by key to anyone who might be listening. (Microphones are never available in nightmares.) I sent plea after plea and finally through the ether came "SUPER BUG-OP"

.....
No matter how hard I tried I couldn't understand the rhythm blitzing through the speaker. Was he calling me? Who is he? Did he copy my position? Too late chump. A towering Tsunami crashed over my head splintering the craft. (Real sinking feeling.) I plunged headlong into the sea (actually off the bed onto a peacefully sleeping cat) falling deeper, deeper,

ever deeper still hearing dah bzzzzt, dah bzzzzt, bzzzzt.

Nightmares. Who needs them! Bugs who needs them! Twiddle sticks!

Yours fraternally,

C.W.

P.S. The cat's just fine.

Guest Article

ONCE UPON A TURNPIKE, DREARY.

AS I TRAVELED, WEAK AND WEARY.

While driving down the turnpike one evening, I had need to stop and partake of the elegant cuisine of the rest stop eatery. Looking somewhat disheveled after a long day on the road, I staggered in and planted myself securely behind what could loosely be described as coffee. Right color--wrong consistency.

While beating the coffee back into the cup with my spoon, I was approached by a meandrathal like figure sporting a red down filled vest. Firmly placed atop an enormous head which seemed to grow directly from the man's shoulders was a yellow John Deere cap.

I studied this man with no neck long enough for my coffee to get a strangle hold on my spoon and wrestle it from my grip, dragging it down to the bottom of the plastic abyss.

"You got something against 18 wheelers?" said the John Deere cap.

With all of my cunning wit honed to a razor like sharpness from doing battle with the maxwell house blob, I was able to look the cap right in the bill and say "Huh?"

"I've been calling you for the last twenty minutes," said the cap, "and I haven't heard you come back once. You got something against me?"

It started to sink in. He had mistaken the 2 meter quarter wave for a CB antenna.

"I was on a different channel", I said.

"Which one?" asked the vest.

"61."

At this he was puzzled, then he smiled and said quietly, "One of them souped up rigs Huh? How many channels you got?"

"OH...couple hundred or so in the mobile. I have more than that on the base though."

"Couple hundred!!" he said pushing back his cap.

"Yeah, and don't tell anyone, but I have a three hundred watt linear in the trunk."

"What about Uncle Charlie?" said the cap.

"OH, I don't worry about him". I said trying my best to look viscous.

M.D.A.R.C.
1982 Annual Christmas Party
Sunday, December 12th
Concord Elks Club, Willow Pass Road, Concord

Buffet: Barbeque Beef
Rigatoni with Meat Sauce
Vegetable
Green Salad and Dressings
Roll and Butter
Carrot Cake
Coffee and Punch



\$7.75 per person (includes tax and tip)

Doors open at 6:00 pm; Dinner served at 6:30 pm

*This event is for the entire family -
Bring the children, Santa will be there!*

Mark your Calendars Now!!

Please send this form before Nov. 30 to:
Carolyn Dahl
P.O. Box 868
Pleasanton, CA 94566



NAME

CALL

TELEPHONE

IN PARTY

ADULTS

CHILDRENS AGES

PLEASE BRING A GIFT FOR EVERY CHILD YOU BRING WITH THE NAME ON THE PACKAGE

DINNER \$7.75 PER ADULT

\$5.75 PER CHILD 12 AND UNDER

Guest Article

"I could probably run 1000 watts and they wouldn't even bother me."

"Connections?"

I winked. He nodded approvingly. I decided to let him ponder it all for a while until I noticed that my coffee had gotten out of the cup somehow. Remembering that it was not armed with my spoon, I figured it would be a good time to leave. As I was walking towards the door, the temptation came over me and it was too great to pass up.

"Hey Good Buddy", I shouted across the room, "I'll catch you on the flip flop. 3's, 8's, 4's, 92's, and 37's on the little ones. We gone."

"10-4."

10-4? I thought as I strolled out to the car. He understood that? What did I say? I flipped on the rig and still wondered what I had said to that man with no neck. Oh well, "Q R ZED, WD8DYC Mobile."

de The Journal-Greater Toledo ARA
credited to RaRa

Thanks to Rags Review.

Special Editorial

JOYS OF BEING AN EDITOR

Getting out a paper is no picnic

If we print jokes, people say we are silly;

If we don't, they say we are too serious.

If we clip things from other magazines, we are too lazy to write them ourselves;

If we don't, we are too fond of our own stuff.

If we don't print contributions, we don't appreciate true genius,

If we do print them, the paper is fill with junk.

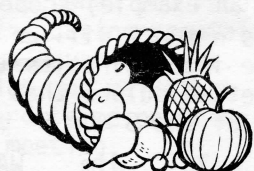
If we make a change in the other fellow's write-up, we are too critical.

If we don't we are asleep.

Now, like as not, someone will say we stole this from some other magazine.

"WE DID."

Thanks to "The Communicator"



THE BASE STATION

1983 ARRL HANDBOOK \$12.00

1983 US Callbook \$19.00

1983 DX Callbook \$18.95

NEW for 220 MHZ!

5/8 WAVE TELESCOPING ANTENNA

Buy this new 220 NHZ antenna

for \$19.95 and receive a

rubber duckie "FREE" Another

two-fer-one from the Tuned

Antenna Co. Still available

for 2 meters too!

TOKYO HY-POWER 3.2V, 30 watt 2M Amp \$89.00

TOKYO HY-POWER 82v, 80 watt 2m Amp w/pre-amp \$159.95

NEW from B&W, SWL Antenna, 7 band trap dipole. Ready to install with 12 traps and center insulator. ONLY \$39.95

SPECO Communications speaker Reg. \$15.00
SALE \$9.95

MOTOROLA 725 Communication Speaker, LIST \$50.00, SALE \$24.95. Base Station Speaker in wood cabinet Reg. \$30.00
SALE \$19.95

HUSTLER SF-2 "Buck Buster" 2m 5/8 mobile
SALE \$13.95

HUSTLER CG-144 5.2DB Colinear 2m mobile
SALE \$37.95

DRAKE TR-3, 80-10 M transceiver w/power supply USED \$295.00

DENTRON GLA-1000 Linear 1200w "Like New" USED \$225.00

DENTRON MT-3000A Antenna Tuner 3kw w/meters USED \$195.00

MFJ-752B "Signal Enhancer" Dual Audio Filter USED \$59.95

JOHNSON-VIKING VALIANT, 80-10 m xmtr \$100

DENTRON W2 Fwd/Ref Dual Wattmeter \$59.95

VOMAX Speech Processor \$125.00 USED

ALL ITEMS SUBJECT TO PRIOR SALE, HURRY

The Base Station

2101 Pacheco St. Concord, CA 94520

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The selection of the proper probe for a particular measurement is not a simple task, especially when high frequency signals are to be displayed. The resistance and parallel capacitance of the probe and scope combination may act to load the signal source and distort the displayed waveform. This circuit loading may also change the circuit operation, further altering the displayed waveform.

The input impedance of the scope itself comes in two basic classes; High and Low. The High Z may be something like 1 megohm shunted by some 20 PF of capacitance. The Low Z may be something like 50 ohms shunted by a very low capacitance. Very few of us will ever use a scope with the low input Z.

The job of the probe is to improve the shunt R and C of the Scope input itself. At a low frequency the shunt R and C of a good passive 10X probe may look like 10 megohms in shunt with a capacitance, depending upon the probe length, of some 10 or 15 Pf. As the frequency moves above a few MHZ it the decrease in the effective shunt R, along with the decrease in the effective shunt Xc, that results in the loading effects that will vary with frequency.

This variation in loading with frequency may cause phase shifts that vary with frequency and this may introduce errors in rise-time and pulse delay measurements. (A read good probe will minimize these phase shifts). With a scope that is only usable up to 5 or 10 MHZ this is not much of a problem. However, with a scope that goes up to 50 or 100 or 500 MHZ all of these factors, and others, must be considered.

The passive probe itself is available with input R values of from 500 ohms or so up to some 10 megohms. The shunt C of these probes varies from 1 Pf or so at the lower R values up to as much as 25 or 30 Pf for some 10 megohm probes. A division ratio of from 1 to 100 is available, with 10 being rather common.

The selection of a probe starts with a look at the impedance at the point of measurement along with the max. frequency of interest. The lower the Z at the point of measurement the greater the selection of probes we may use. Looking at a 100K ohm point at 144 MHZ is not easy but looking at a 100 ohm point at that same frequency is. A 1 K ohm / 1 Pf probe is useless with the 100K ohm measurement point, but don't think that a 10 megohm / 20 Pf 10X probe will be any improvement!

At 144 MHZ the 10 megohm probe will look like 150 ohms R in shunt with some 50 ohms Xc. At the same frequency the 1 K ohm

probe will look like some 1 K ohms R in shunt with some 1 K ohms of Xc. (these numbers are for two probes from a major scope manufacturer) Even with the 100 ohm measurement point the 1 K ohm probe may be best due to the higher shunt Xc. If we want to look at that 100 K ohm measurement point a active probe will be required. These will use a tube or FET in some form of follower circuit. They can be found with a input R of 10 megohms or more and a shunt C of 1

Pf or less. They may have a division ratio of 100 tho, so they may not be of much use in low voltage measurements.

Thus far I have made two assumptions; 1- absolute voltage readings are wanted at 144 MHZ and, 2- we are working with a sinewave. When relative voltage levels are adequate then most any probe can be loosely coupled into a circuit, with very low if any loading.

Sinewave measurements at frequencies above a few MHZ present unique problems in that the probe and scope combination may not only load down the circuit but may also change the tuned frequency of any L-C circuit the probe is placed across.

When we wish to look at pulses the story changes. Now we must display both the high frequencies (the vertical portions) and also the very low frequencies (the horizontal portions) both at the same time. Accurate pulse measurements pose less of a problem than RF sinewaves due to the low Z of most, but not all, pulse circuits.

The pulse amplitude can be measured with minimum concern for the shunt capacitance of the scope and probe input. This is if and when the R-C time constant of the probe and scope system is shorter than the pulse length. That variable "C" adjustment at the scope end of a divider probe is used to adjust the R-C time constant of the probe to that of the scope input itself. The display of the high frequency (vertical) part of the pulse requires a fast risetime input circuit along with a probe that is made for that scope input circuit. This means that a probe made for a 10 MHZ scope just won't do its job with a 100 MHZ scope. There is a R-L-C network that is part of a 100 MHZ probe that is designed for use with a 100 MHZ (as an example) scope input circuit. This network will enable the fast risetime input circuits to "see" the fast risetime pulses that are on the other end of the 3' or 6' or 9' scope probe.

THE SOUTHERN CHAPTER.....

Jerry Boyd WA6CUP

Well folks the Southern Contingent survived K6IMV's whirlwind trip down south several weeks ago. It was a pleasure to see Parky and Lee again. Art, W6HQL and Marge N6G, Parky and Lee and our family had a chance to get together for dinner (copies of Lasagna recipe provided, send S.A.S.E.). Parky proved to be a real disappointment to the local constabulary. He drove so carefully that they couldn't give him so much as a parking ticket.

An event of far less significance and magnitude than the IMV visit was the recent visit to our town of President Ronald Reagan. The security planning which goes into a Presidential visit is almost mind boggling. Even more astounding is the computer, telephone, and communications equipment that accompanies him. Didn't get to see all of it (top secret) but what I could see was fascinating. They carry almost as much radio gear in their suitcases as WA6PUA does. The one big difference is that the Secret Service doesn't have to drill holes through their windows in order to put up antennae. We hams think our H.T.'s are super, but unless you've seen one of the Fed's auto-patches you haven't experienced the heights to which our technology has risen.

Ham radio got into the picture for the President's stay. A communications loop was needed for non-emergency administrative traffic between two rather widely separated command posts. Courtesy of a couple of hams in the U.S. Navy. Amateur radio filled the gap quite nicely.

For those who are wondering W6BSL is still heard on the AM from time to time. Heard him on a repeater up North recently but wasn't able to hit the repeater to work him. Hope Orv gets back on the Parky net soon.

Well that's it for now. Until next time may all your DX be rare, your stations emit no TVI, and your signals always be 5-9+.

'73 Jerry

Renewing

Thanks to the stalwart two, Robert T. Cook, W6UAW and Manuel Espinole, KA6FOC, who supported their Club by subscribing to QST (ARRL) this month. For each subscription the Club earns \$2.00. When you receive your notice from ARRL indicating renewal time is near make checks payable to Mt. Diablo Amateur Radio Club and mail them with the application card to me or bring them in at the monthly meeting.

73, Nancy KA6IZI

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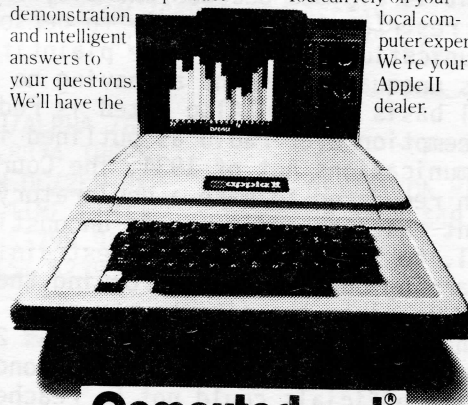
How to buy a personal computer.

There's only one smart place to buy a personal computer: from your local computer expert.

Look to your Apple® II dealer for efficient product demonstration and intelligent answers to your questions. We'll have the

software and peripherals you want in stock. And we'll be on hand when you need advice and service after the sale.

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See Russ-KA6BPN

HR-3239 BECAME PUBLIC LAW 97-259 on September 13th. President Reagan signed the measure, originally S-929 and sponsored by Sen. Barry M. Goldwater (R-Ariz), K7UGA. Expect an NPRM from the FCC shortly.

THE BURBANK, ILLINOIS ORDINANCE is being challenged in court. A class-action suit was filed September 10th in U.S. District Court For the Northern District of Illinois, Eastern Region, against the anti-personal radio, tower/antenna ordinance by attorneys James C. O'Connell, W9WU and Craig E. Anderson. The suit names: the City of Burbank, Mayor John J. Fitzgerald, City Manager Robert Herrmann and 7 other municipal officials as defendants. In their filing on behalf of 10 Amateur and C.B. operators plus the over-all Burbank, Illinois Amateur and Citizens Band Communities in class action, O'Connell and Anderson charge that the city has imposed an unreasonable burden upon radio communications; that the defendants' actions deprive the plaintiffs of their First Amendment rights of "Freedom of Speech" and their 14th Amendment guarantee of "Equal Protection Under the Law." In regard to this last charge, violation of the 14th Amendment is claimed because the city's antenna restrictions apply only to personal communications antennas; the plaintiffs see this unequal treatment as having no rational basis in law. Also noted is Federal preemption over radio as outlined in the Communications Act of 1934. The Court has been requested to make a declaratory judgement that the ordinance is unconstitutional, to issue a temporary restraining order barring Burbank from enforcing the law, and requires the city to pay court costs and attorneys' fees. Burbank has 20 days from the date of service to respond. While city officials could not be reached for comment, it is assumed that they will fight this challenge.

THE FCC HAS APPROVED PR DOCKET 81-699 which permits Amateurs the use of almost any form of computer codes above 50 MHz. At presstime, the exact text of the Report and Order was not available, but Commission sources said on the phone that there are some restrictions. It would be best to wait until the final wording is released before beginning to transmit any new computer language formats not already covered in Part 97. The text should be available in about 10 days.

THE FCC HAS RENEWED ITS HARD STAND against persons accused of malicious interference. In three separate actions, the Commission refused to grant a license renewal to one Amateur, upheld the license revocation of another Ham and revoked the license of yet another. All 3 cases are in California.

The Commission has denied, after a "Review Board Hearing," the application for renewal of the General Class license of Gary Kerr, WA6JIY. In its findings, the board deemed Kerr's actions to be "calculated and deliberate" interference to legitimate Amateur communications over the WB6AAE repeater. They refused to accept Kerr's explanation that his transmissions were actually his right to "free expression" as outlined by the First Amendment, and denied his license renewal. Sources in the San Francisco area said that Kerr will continue his appeal, taking the matter to the U.S. Supreme Court if necessary.

THE LICENSE REVOCATION AGAINST DONALD Gilbeau, N6OZ will stand. Another FCC Review Board has upheld the action, although it did note that the Commission was impressed by Gilbeau's candor, contrition and previously unblemished record of service to the Amateur Community, and will permit him to refile for a new license after the mandatory one year waiting period has passed. In his review filing, Gilbeau admitted he was wrong in trying to counter the Grizzly Peak jamming problem in kind, but felt the FCC's action was too harsh. Many Bay Area Amateurs had written the FCC in his defense.

The Advanced Class license of Henry, III WA6CGI has been ordered revoked, effective October 10, 1982. The Commission chose this punishment for the Sylmar, CA Amateur for what they determined was his campaign to drive the Southern CA DX Club repeater off 144.88 MHz. Armstrong had contended that his long (sometimes 7 to 8 hours each) transmissions were computer experiments in conjunction with his Amateur Radio operations, but testimony from S.C. DX Club members brought out the fact that Armstrong had threatened to drive the system off the air, even though a club member had offered to purchase \$160 worth of new crystals to move WA6CGI to a vacant spot on 2 meters away from repeater operation. Further testimony by noted DXer Donald Jones, N6NV that he believed Armstrong's transmissions to be a

"carrying out of threats that he had heard Armstrong make five months earlier," along with that of Richard Reimer, W6ET that he had heard Armstrong announce that "he was going to drive the DX Club repeater off the air and make it useless" appeared to be ample for the FCC to find against WA6CGI and revoke his ticket. Rumors in the L.S. area indicate Armstrong intends to appeal. Thanks FCC, others.

A U.S. "WOODPECKER" MAY COME TO NEST in the Pacific Northwest. According to the Tacoma News Tribune, McCord Air Force Base near that city is under consideration to become part of one of the proposed American "over-the-horizon pulsed radar systems," which is capable of detecting enemy aircraft at a far greater distance than conventional radar. According to the article, McCord will not play host to the actual transmitters or receivers for the system, but may serve as the maintenance and operations center. If the proposed system is built, the transmitters will probably be located at sites in Christmas Valley, Oregon, with receivers at or near Alturas, CA. It is unknown what effect this project will have on Amateur Radio, although in past proposals of such systems, the military has said it would work closely with all interested and affected spectrum users to insure minimal interference. Amateurs have nicknamed these radar systems "woodpeckers" because of the rapidfire clicking noises they create. Thanks W7BUN. CE WA6ITF

10 MHZ AUTHORIZED

On Thursday October 28 at 3PM EDT effective immediately the new 10 MHZ amateur radio band was authorized for use for USA Amateurs by the Federal Communications Commission. The new 10 MHZ band is available for use with the following restrictions:

- 1) Power: 250 watts input
 - 2) MODES: A1 and F1 emission only
includes CW and RTTY
VOICE IS NOT AUTHORIZED
 - 3) CLASSES: Gen., ADV., EXT.
 - 4) FREQ LIMITS: 10.100 to 10.109 MHZ
10.115 to 10.150 MHZ
no operation authorized between
10.109 and 10.115
 - 5) Amateur Radio Service shares this band on a SECONDARY basis with the FIXED SERVICE and MUST NOT interfere with stations in the FIXED SERVICE. Some stations in the Government Radio Service have already been protected by restricting operation in the 10.109 to 10.115 MHZ portion of the band.
- The Base Station

Ham Radio Outlet

2811 Telegraph Ave.

Oakland, CA 94609

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999 Howard Ave.

Burlingame, CA 94010

(415) 342-5757

Hours: 10 AM to 5:30 PM Monday-Saturday

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KENWOOD TR-8400 \$439.95

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ICOM IC-45A Call for Info

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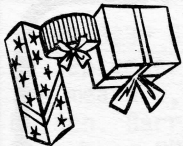
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Carolyn KA6LSK
Social Chairman

Christmas is approaching fast. Please mark your calendars for Dec. 12, 1982, Sunday at 6 PM for MDARC's Annual Christmas Party. The dinner is being put on by the Concord Elks at their club on Willow Pass Road in Concord. It promises to be an excellent dinner. Santa will be there, so bring the children. Of course we will have Door Prizes for both men and women. Enclosed in the CARRIER is a flyer with a Klip N Mail. Please return it to me no later than Nov. 30, 1982 along with your check. For further information call me at 846-9458.



MDARC Annual Christmas

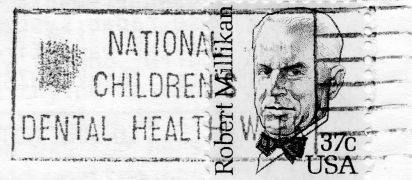


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